

**PATENT** 

Confirmation No.: 3346

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/812,448

Stuyver

Applicant: Filed:

TC/A.AU.:

March 29, 2004

1614

Examiner:

Unassigned

Docket No.:

08841.105059 PHA 2070 US

Customer No.:

20786

Title:

Compounds For the Treatment of Flaviviridae Infections

Mail Stop Amendment Commissioner for Patents P. O. Box 1450

Alexandria, VA 22313-1450

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Sir:

The citation of information on the accompanying Form PTO/SB/08A, "Information Disclosure Statement by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each reference is enclosed. The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Applicant does not believe any fees are due because this paper is submitted before the mailing of a first Office action on the merits, as under 37 C.F.R. § 1.97(b)(3). However, the Commissioner is hereby authorized to charge any fees due or credit any overpayment, to Deposit Account No. 11-0980.

Respectfully submitted,

Madeline Johnston, Ph.D., Esq.

Reg. No. 36,174

Dated: November 5

King & Spalding LLP 191 Peachtree Street

45<sup>th</sup> Floor

Atlanta, GA 30303-1763

Office: (404)572-4600/ Fax: 404-572-5145



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Deposit Date: November 5, 2004

Docket No.: <u>08841.105059 PHA 2070 US</u>

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

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Application Number	10/812,448						
Filing Date	March 29, 2004						
First Named Inventor	Stuyver						
Group Art Unit	1614						
Examiner Name	Unassigned						
Attorney Docket Number	08841.105059 PHA 2070 US						

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Examiner Initials *	Cite No. 1		nent nd Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages / Relevant Figures Appear
	AA	3,798,209	Α	Witkowski et al.	03-19-1974	
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Submitted for	form 1449/PTO				Complete if Known
				Application Number	10/812,448
INI	FORMATION I	DISCLO	OSURE	Filing Date	March 29, 2004
	ATEMENT BY			First Named Inventor	Stuyver
			CIRVI	Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	2	of	6	Attorney Docket Number	08841.105059 PHA 2070 US

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			U	J.S. PATENT DOCUMENTS		
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	BA	2003/0119764	A1	Loeb et al.	06-26-2003	
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	BT	2004/0110718	A1	Devos et al.	06-20-2004	

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	BU	JP	61-130299	Α	Daiken Koyo KK	06-18-1986					
	BV	wo	02/03997 🖊	A1	ICN Pharmaceuticals, Inc.	01-17-2001					
	BW	WO	02/048165 🖊	A2	Pharmasset Limited	06-20-2002					
	BX	wo	03/051899	A1	Ribapharm	06-26-2003					
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Approved for use through 07/31/2006. OMB 0651-0031

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IN	FORMATION I	DISCLO	DSURE	Filing Date	March 29, 2004
	ATEMENT BY			First Named Inventor	Stuyver
		***		Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	3	of	6	Attorney Docket Number	08841.105059 PHA 2070 US

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				FORI	EIGN PATENT DOCUMENTS			
		* No. 1 Office 3 Number Kind Co			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	CA	wo	03/062256	A1	Ribapharm	07-31-2003		
	СВ	wo	03/062257	A1	Ribapharm	07-31-2003		
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	CD	wo	2004/007512	A2	Merck & Co.; Isis Pharmaceuticals	01-22-2004		
·	CE	wo	2004/009020	A2	Merck & Co.; Isis Pharmaceuticals	01-29-2004		
	CF	wo	2004/084796	A2	Pharmasset Limited	10-07-2004		

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	CG	AGBARIA, R., et al., "Antiproliferative effects of cyclopentenyl cytosine (NSC 375575) in human glioblastoma cells," Oncol Res., 9:111-118 (1997).	
	СН	ALI, S.M., et al., "Efficient enantioseletive syntheses of carbocyclic nucleoside and prostaglandin synthons," <i>Tetrahedron Letters</i> , 31(11):1509-1512 (1990).	
	CI	BALZARINI, J., et al., "Effect of antimetabolite drugs of nucleotide metabolism on the anti-human immunodeficiency virus activity of nucleoside reverse transcriptase inhibitors," <i>Pharmacol. Ther.</i> 87:175-187 (2000).	
	CJ	BATTAGLIA, A.M., et al., "Combination therapy with interferon and ribavirin in the treatment of chronic hepatitis C infection," Ann. Pharmacother. 34(4):487-494 (April 2000).	
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IN	FORMATION D	DISCLO	OSURE	Filing Date	March 29, 2004	
	ATEMENT BY			First Named Inventor	Stuyver	
<b>1</b>		111	CHIL	Group Art Unit	Unassigned	
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	DA	DAVIS, G.L., "Current therapy for chronic hepatitis C," <i>Gastroenterology</i> , 118(2 Suppl. 1):S104-S114 (2000).	
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	EK	POLITI, P.M., et al., "Phase I clinical trial of continuous infusion cyclopentenyl cytosine," Cancer Chemother. Pharmacol., 36:513-523 (1995).			
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Sheet	6	of	6	Attorney Docket Number	08841.105059 PHA 2070 US	

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		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Té
	FA	STUYVER, L.J. et al., "Inhibitors of the IMPDH enzyme as potential anti-bovine viral diarrhea virus agents," Antiviral Chem. Chemother., 13:345-352 (2003).	
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	FD	SUTTLE, D.P., et al., "Coordinate overproduction of orotate phosphoribosyltransferase and orotidine-5'-phosphate decarboxylase in hamster cells resistant to pyrazofurin and 6-azauridine," J. Biol. Chem., 254:4602-4607 (1979).	
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	FH	WACHSMAN, M., et al., "Anticytomegaloviral activity of methotrexate associated with preferential accumulation of drug by cytomegalovirus-infected cells," <i>Antimicrob. Agents Chemother.</i> , 40(2):433-436 (February 1996).	
	FI	WALKER, M.P., et al., "HCV RNA-dependent RNA polymerase as a target for antiviral development," Curr. Opin. Pharmacol., 2:1-7 (2002).	
	FJ	WALTON, E., et al., "3'-Deoxynucleosides. I. A synthesis of 3'-deoxyadenosine," J. Am. Chem. Soc., 86:2952 (1964).	
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	FL	WOLFE, M.S., et al., "Enantiospecific syntheses of aristeromycin and neplanocin A," J. Org. Chem., 55:4712-4717 (1990).	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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